

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1           1. (Currently amended) An integrated ~~conventional~~ truck  
2 mounted air conditioning system having an auxiliary power source  
3 for use in trucks powered by a main internal combustion diesel  
4 engine, ~~consisting of~~ comprising:

5           an air conditioner compressor having a single input shaft  
6 including a first pulley and a second pulley coupled thereto, said  
7 first pulley being clutch engagable and ~~adapted to cooperate with~~  
8 constructed and arranged to engage a first flexible continuous belt  
9 driven by said main engine for providing rotation to said  
10 compressor, said second pulley ~~adapted to cooperate with~~  
11 constructed and arranged to engage a second flexible continuous  
12 belt driven by an electric motor for providing rotation to said  
13 compressor;

14           an electric motor mounted to said main engine having a second  
15 clutch engagable pulley operatively coupled to an output shaft  
16 thereof, wherein said second clutch engagable pulley is ~~adapted to~~  
17 ~~cooperate with~~ constructed and arranged to engage said second belt  
18 for selectively rotating said compressor;

1 means for selectively and independently engaging said first  
2 clutch engagable pulley and said second clutch engagable pulley for  
3 operation of said air conditioner compressor;

4 an auxiliary power source for providing electrical power for  
5 operation of said electric motor, ~~said auxiliary power plant~~  
6 ~~including a diesel engine/generator set~~, wherein said auxiliary  
7 power source is a low profile auxiliary power plant placed within  
8 an enclosure having an interconnected floor, opposite vertical  
9 side walls, opposite vertical end walls, and a top parallel to said  
10 floor, said auxiliary power plant including an integral  
11 engine/generator set fixed in said enclosure, said engine/generator  
12 set having a liquid cooled internal combustion diesel engine  
13 rigidly connected to an electrical generator for turning said  
14 generator to produce electricity, wherein said generator delivers  
15 electric current to said electric motor;

16 whereby said ~~conventional~~ truck mounted air conditioning  
17 system introduces cool air through the truck mounted air  
18 conditioning ducts while the main engine is operating or when said  
19 auxiliary power source and said electric motor is employed.

1 2. (Cancelled).

1 3. (Cancelled).

1           4. (Currently amended) The integrated ~~conventional~~ truck  
2 mounted air conditioning system for use with an auxiliary power  
3 source according to claim 3 wherein the height of said vertical end  
4 walls and said vertical side walls is approximately 15 inches.

1           5. (Currently amended) The integrated ~~conventional~~ truck  
2 mounted air conditioning system for use with an auxiliary power  
3 source according to claim 3 wherein said liquid cooled engine has  
4 a radiator and associated fan, said radiator and said fan remotely  
5 mounted.

1           6. (Currently amended) The integrated ~~conventional~~ truck  
2 mounted air conditioning system for use with an auxiliary power  
3 source according to claim 3 including a radiator located between  
4 a perforated wall and said associated fan whereby said fan extracts  
5 heat from said enclosure and provides air flow across said  
6 radiator.

1           7. (Currently amended) The integrated ~~conventional~~ truck  
2 mounted air conditioning system for use with an auxiliary power  
3 source according to claim 1 wherein said first clutch engagable  
4 pulley is rotatable by said engine mounted pulley by use of a  
5 flexible belt.

1           8. (Currently amended) The integrated ~~conventional~~ truck  
2 mounted air conditioning system for use with an auxiliary power  
3 source according to claim 1 wherein said second clutch engagable  
4 pulley is rotatable by said electric motor mounted pulley by use of  
5 a flexible belt.

1           9. (Currently amended) The integrated ~~conventional~~ truck  
2 mounted air conditioning system for use with an auxiliary power  
3 source according to claim 1 wherein said means for selectively and  
4 independently engaging said first clutch engagable pulley and  
5 second clutch engagable pulleys includes a relay means for  
6 preventing simultaneous operation of said first and second clutch.

1           10. (Cancelled).

1           11. (Currently amended) The integrated ~~conventional~~ truck  
2 mounted air conditioning system for use with an auxiliary power  
3 source according to claim 1 wherein said generator in said  
4 auxiliary power plant is an alternating current generator.

1           12. (Currently amended) The integrated ~~conventional~~ truck  
2 mounted air conditioning system for use with an auxiliary power  
3 source according to claim 1 including a rigid electric motor  
4 mounting plate having a first portion ~~adapted~~ constructed and

5 arranged to couple said plate to said air conditioning compressor  
6 and a second portion ~~adapted~~ constructed and arranged to couple  
7 said electric motor to said plate.

1 13. (Cancelled).

1 14. (Cancelled).